**Additional Practice Problems - Unit 3 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\*\*\* Complete the following questions on a piece of notebook paper. You will need to show the completed problems to me before I allow you to retake the quiz!**

**Quiz #1 – 6.1 & Metals, Nonmetals, Metalloids**

1. List 5 properties of metals, 5 of nonmetals, and 5 of metalloids.
2. What do all elements in the same group on the periodic table have in common?
3. Which elements are the “representative elements” on the periodic table?
4. Name the two scientists famous for organizing the periodic table and how each of them organized it.
5. What is the modern periodic table based on and what does it mean?
6. Be able to name all the groups on the periodic table!

**Quiz #3 – Periodic Trends**

1. What is the ability of an atom to attract electrons to itself?
   1. Does this increase or decrease across a period? Why?
   2. Does this increase or decrease down a group? Why?
2. What is the amount of energy required to remove an electron from an atom?
   1. Does this increase or decrease across a period? Why?
   2. Does this increase or decrease down a group? Why?
3. What is one-half the distance between the nuclei of adjacent atoms?
   1. Does this increase or decrease across a period? Why?
   2. Does this increase or decrease down a group? Why?
4. Which of the following elements has the larger . . .
   1. Atomic Radius: Be or Cs Sr or S
   2. Ionization Energy: Rb or I Li or Rb
   3. Electronegativity: K or Se Na or Cs